

Title (en)  
Electronic contactor with emergency shut-down.

Title (de)  
Elektronische Schützschnellabschaltung.

Title (fr)  
Contacteur électronique avec arrêt d'urgence.

Publication  
**EP 0660484 A3 19950927 (DE)**

Application  
**EP 94118747 A 19941129**

Priority  
DE 4344126 A 19931223

Abstract (en)  
[origin: EP0660484A2] An electronic rapid contactor disconnection device having a freewheeling circuit which can be turned off and having a transient-voltage suppression diode (7) with a defined breakdown voltage for limiting the inductive voltage spikes on turning off the load circuit and the freewheeling circuit prevents voltage spikes being produced in that the switching transistor (3) of the freewheeling circuit and the power transistor (5) together with the contactor coil (1) are connected in series and are jointly connected in parallel with the voltage suppression diode (7), and in that the freewheeling diode (2) is arranged in the freewheeling circuit between the output of the switching transistor (3) and the input of the contactor coil (1). <IMAGE>

IPC 1-7  
**H02H 9/04**; **H03K 17/0814**

IPC 8 full level  
**H02H 9/04** (2006.01); **H03K 17/0814** (2006.01)

CPC (source: EP)  
**H02H 9/047** (2013.01); **H03K 17/08146** (2013.01)

Citation (search report)  
• [A] EP 0387730 A2 19900919 - LICENTIA GMBH [DE] & DE 3908055 C1 19900913  
• [A] DE 3203987 A1 19831013 - LICENTIA GMBH [DE]

Cited by  
DE102005052579A1; FR2792783A1; DE102006030448A1; CN111727487A; WO2020151805A1; WO0065229A1; US10978258B2;  
DE102006030448B4; US7567095B2

Designated contracting state (EPC)  
DE FR GB IT SE

DOCDB simple family (publication)  
**EP 0660484 A2 19950628**; **EP 0660484 A3 19950927**; DE 4344126 A1 19950706

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